Sherwin-Williams Site Cleanup
Emeryville, California

November 2, 2011

1450 Sherwin Avenue, Emeryville, CA

This is a weekly summary of site activities and perimeter air monitoring starting for the week of October 24 and going through October 28, 2011. Following is a brief overview of site activities occurring during this period and a discussion of air monitoring results compared to site action levels. Charts and figures are attached which show running averages for Respirable Particulate Matter of 10 micrometers or less (RPM10) running averages; Total Volatile Organic Compounds (TVOC) running averages; and wind speed and direction.

Site Activities
Site activities for the week included:

- Dust, odor and vapor controls (water, odex misters, T-200, Hydroseal and street sweeping) were applied to excavation, stockpiles and exclusion work areas;
- Misters along Horton were not operated during the week of October 24 through 28, in lieu of using other forms of dust control (water truck), due to personnel working in close proximity. Potential dust is low due high saturation of material;
- Operation of street sweeper onsite on paved areas; truck exit ramp, Halleck Truck route and on adjacent roads surrounding the site;
- No trucks were loaded with non-hazardous material. No transport of non-hazardous material occurred during the week of October 24 through 28;
- Loading of California hazardous waste (CAT2) into 14 railcars (approx. 1,533 tons) for transport to ECDC landfill in East Carbon, Utah.
- Backfilling and compaction into the excavation of 6,279 cubic yards of low permeable soil and 1,845 cubic yards of high permeability sand, in 6 to 12 inch lifts;
- Compaction testing was performed and met earthwork construction specification of minimum 90% of the maximum dry density of the backfill material below the water table;
- Imported 483 truckloads of soil for placement of lower hydraulic conductivity (low K) backfill fill materials.
- Imported 123 truckloads of soil for placement of higher hydraulic conductivity (high K) backfill fill materials.
- Condon Johnson onsite October 24 through October 26 to install wooden lagging on shoring wall system between elevations +9 to +2.
- Analytical testing of stockpiled waste material occurred during the week for characterization of material for disposal;
- Excavation dewatering was performed from three primary sumps ranging in elevation 3 to -9.5. Additional dewatering was performed from trenches and excavation areas by pumping or draining these areas into the primary sumps where the water is pumped into the onsite pre-treatment system. Treated water from the dewatering system is

discharged into the local POTW per the requirements of the Site's EBMUD discharge permit.

- A total of 603 rail cars of hazardous waste has been loaded and transported to permitted landfill facilities in Grandview Idaho or East Carbon Utah. This represents approximately 65,100 tons of material hauled off site by rail car.
- A total of 1,650 trucks of non-hazardous material has been loaded and transported to local permitted landfill facilities in Livermore and Pittsburg California. This represents approximately 39,160 tons of non-hazardous material hauled off site by trucks.
- A total of approximately 104,300 tons of material has been excavated and transported for offsite disposal.

Air Monitoring and Sampling

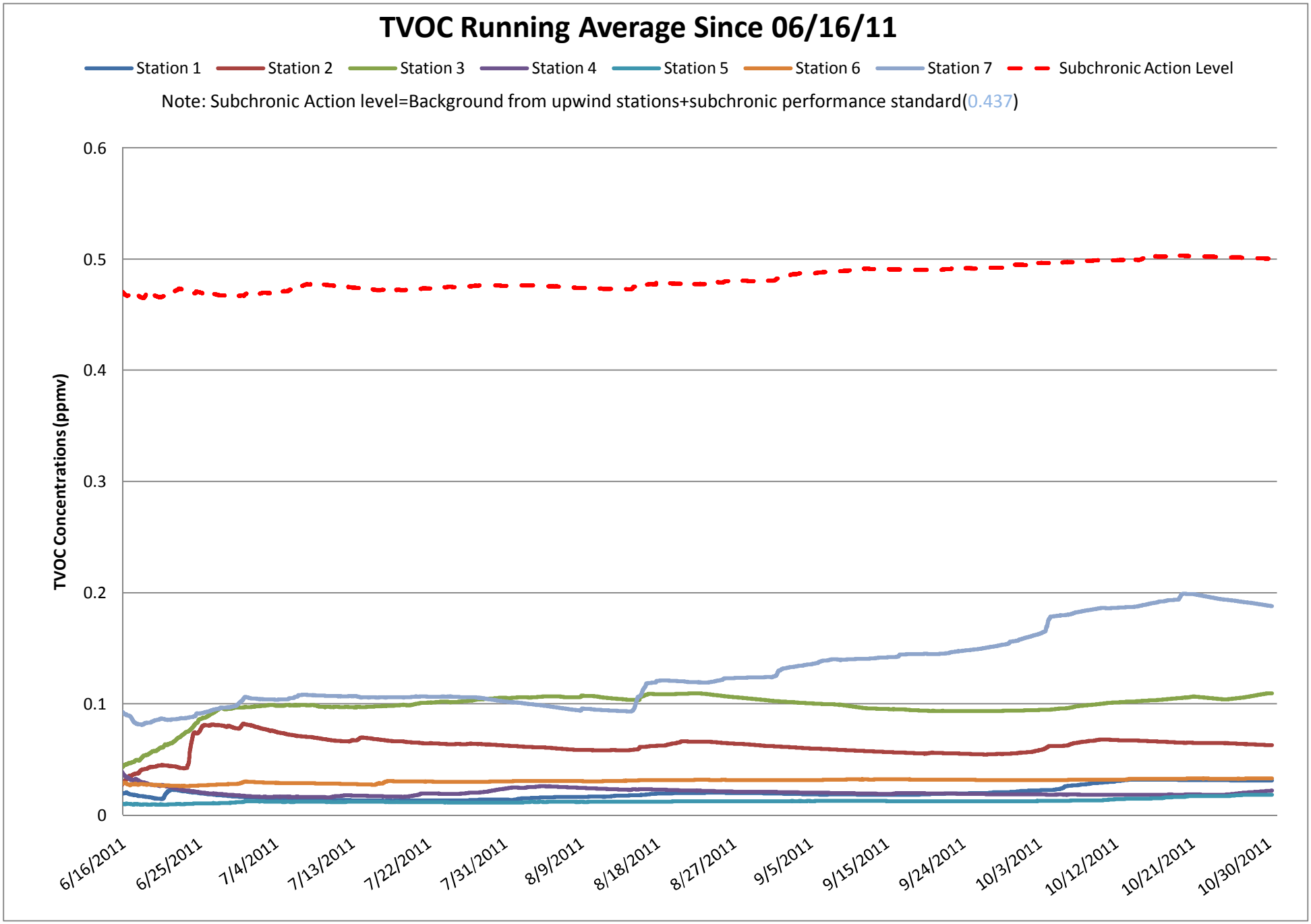
- Daily calculation of perimeter air action levels was performed, based on background conditions and level of source material being excavated.
- Daily calibration of the seven perimeter AMS locations was performed October 25 through October 28; no calibrations were performed on October 24, while the system was down. Resources were dedicated to restoring monitoring system function;
- Daily perimeter real time air monitoring at seven AMS locations for RPM10 and Total volatile organic compounds (TVOCs);
- Daily meteorological data is collected on site and wind speed and direction is calculated in real time to determine upwind and downwind direction. A wind rose for the week is provided below.
- Communication errors resulting from radio interference resulted in a data loss across the site on the weekend lasting from October 21 to October 24. Data was recovered from every monitoring station except AMS#1 and AMS#2, which experience power supply problems, and the weather station, which does not have a data-logger. Weather data from the nearby National Oceanic and Atmospheric Agency weather station at Oakland International Airport was used in the weekend air quality report.
- Air Logics personnel were onsite to examine communication failure modes and repair the system Monday, October 24, through Wednesday, October 26. A clean communication channel was found and all stations were changed to that channel. Power supply problems at AMS #1 and AMS#2 were resolved.
- No exceedances of air quality standards occurred during the week.
- Misters were not used along the Horton Street excavation during the week due to the presence of Condon Johnson personnel installing shoring and lagging. Therefore, no mister delta was incorporated into PM10 action levels.
- Subsequent 4 hour rolling averages for PM10 have been below the action levels at all AMSs. Higher 4 hour rolling averages for PM10 have been attributed to import of lower hydraulic conductivity (low K) backfill fill materials from offsite. Running averages for TVOC and PM10 since the start of the project continue to be below their

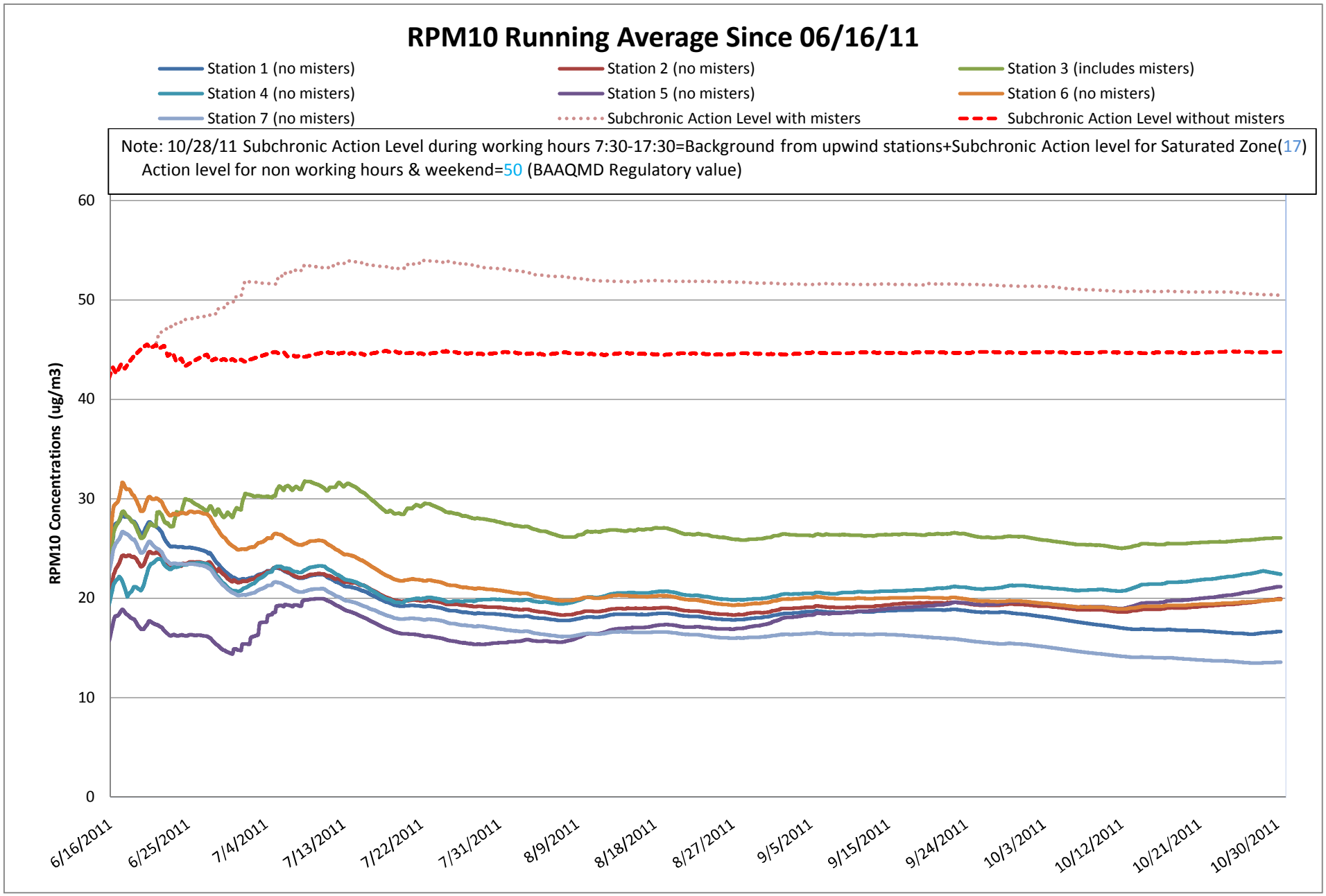
respective action levels at all AMSs. Charts for the running average for TVOCs and PM10 are provided below.

- CDM received a complaint call at approximately 4 PM on Tuesday, October 25. A community member reported observing a solvent odor. The complainant indicated that the odors were noticed along Sherwin adjacent to AMS #4 and AMS #5. TVOC readings at AMS #4 and #5 for the period in question ranged from 0.08 ppm to 0.2 ppm, below the subchronic action level of 0.5 ppm for TVOCs. CDM personnel deployed to the area confirmed an order, apparently emanating from recently stockpiled soil. CDM requested that the stockpiles be immediately covered. The site received a subsequent visit from a Bay Area Air Quality Management District (BAAQMD) representative, also responding to the complaint. The BAAQMD representative was shown around the site. No odors were noted at that time. The BAAQMD left the Site stating no additional follow up was required.

If you have any questions please feel free to contact us via the 24-hour toll-free Community Hotline (866)848-5307.

Camp Dresser & McKee Inc.


TVOC Running Average Since 06/16/11
Station 1
Station 2
Station 3
Station 4
Station 5
Station 6
Station 7
Subchronic Action Level
Note: Subchronic Action level=Background from upwind stations+subchronic performance standard(0.437)
TVOC Concentrations (ppmv)
0.6
0.5
0.4
0.3
0.2
0.1
0
6/16/2011
6/25/2011
7/4/2011
7/13/2011
7/22/2011
7/31/2011
8/9/2011
8/18/2011
8/27/2011
9/5/2011
9/15/2011
9/24/2011
10/3/2011
10/12/2011
10/21/2011
10/30/2011

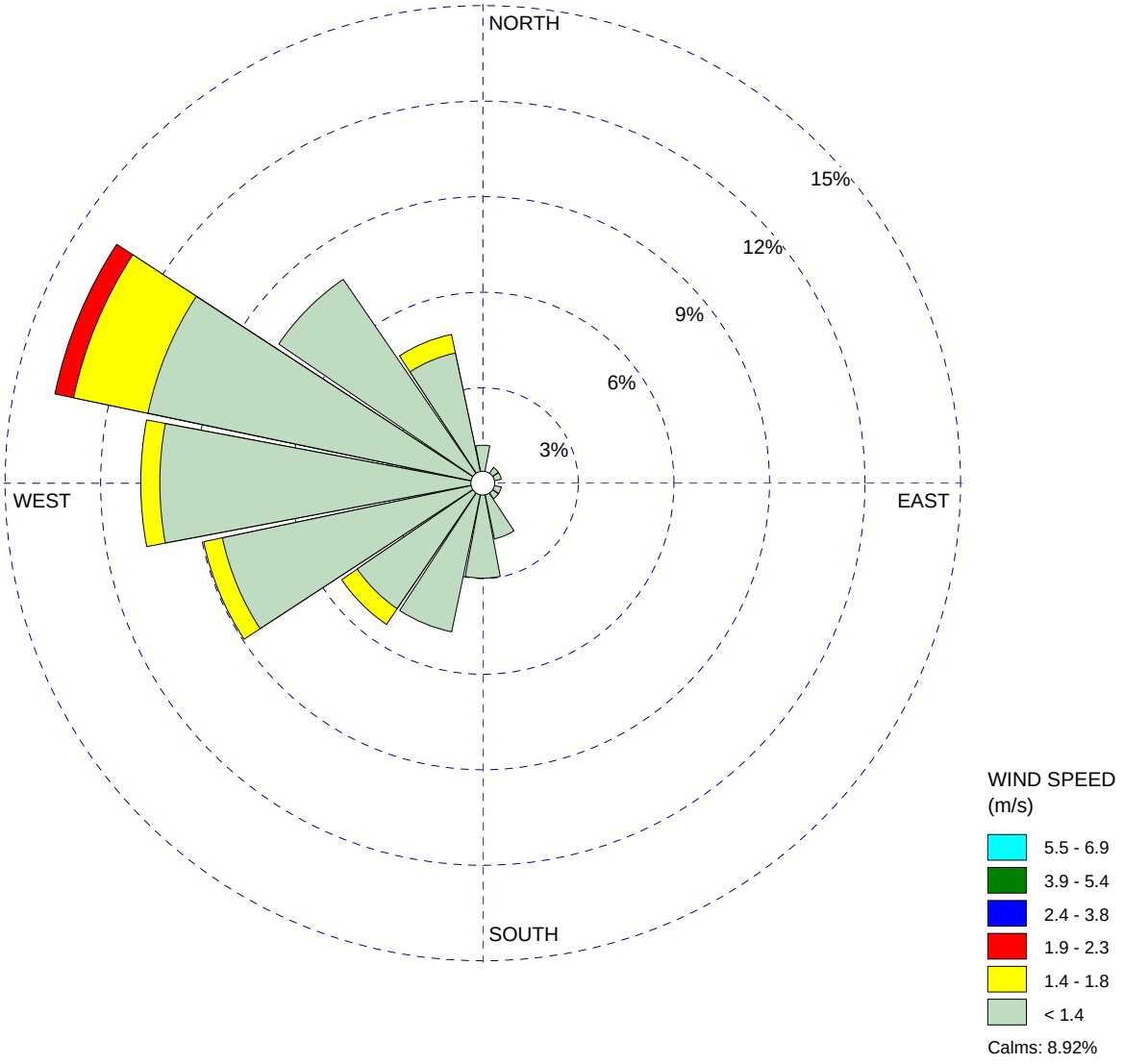

RPM10 Running Average Since 06/16/11
Station 1 (no misters)
Station 2 (no misters)
Station 3 (includes misters)
Station 4 (no misters)
Station 5 (no misters)
Station 6 (no misters)
Station 7 (no misters)
Subchronic Action Level with misters
Subchronic Action Level without misters
Note: 10/28/11 Subchronic Action Level during working hours 7:30-17:30=Background from upwind stations+Subchronic Action level for Saturated Zone(17)
Action level for non working hours & weekend=50 (BAAQMD Regulatory value)
RPM10 Concentrations (ug/m3)
60
50
40
30
20
10
0
6/16/2011
6/25/2011
7/4/2011
7/13/2011
7/22/2011
7/31/2011
8/9/2011
8/18/2011
8/27/2011
9/5/2011
9/15/2011
9/24/2011
10/3/2011
10/12/2011
10/21/2011
10/30/2011

WIND ROSE PLOT:

Station #SW

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD: **Start Date: 10/23/2011 - 22:00** **End Date: 10/30/2011 - 21:00**	COMPANY NAME:	
		MODELER:	
	CALM WINDS: **8.92%**	TOTAL COUNT: **168 hrs.**	
	AVG. WIND SPEED: **0.83 m/s**	DATE: **10/31/2011**	PROJECT NO.: